

## PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274 NEW PORT RICHEY (813) 847-8145 UTILITIES SERVICES BRANCH
PASCO COUNTY GOVT. COMPLEX
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

April 14, 1992

D. E. R.

APR 1 6 1992

SOUTHWEST DISTRICT TAMPA

Mr. Steven G. Morgan
Environmental Specialist II
Florida Department of
Environmental Regulation
Waste Management Section
4520 Oak Fair Bouelvard
Tampa, FL 33610-7347

RE: Groundwater Monitoring Analyses

Dear Mr. Morgan:

Enclosed are the groundwater monitoring analyses from Monitoring Wells 2MWl, 4MWl, 2MW2, 4MW2, 2MW4, 4MW4, 2MW5, 4MW5, 2MW6, and 4MW6 at the Resource Recovery Class I Landfill for the Quarter I (January - March) sampling period.

Sincerely,

Candia E. Mulhern

Laboratory Supervisor

CEM/mr

Enclosure

cc: Chongman Lee, Florida Department of Environmental Regulation, Solid Waste Section, Twin Towers Building, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Solid Waste/Fiscal Services Director



#### Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEA Form &	
Form Tide	
Effective Date	<del></del> :
DER Approximen Mg	Fred 0 to 253)

## QUARTERLY REPORT ON GROUND WATER MONITORING Rule 17-4.245(6)(k)2.

MS #		DATE	
		DER PERMIT	
RESOURCE RECOVERY - W	EST PASCO CLASS I L.	ANDFILL	
Installation Name			
HAYS ROAD	HUDSON	FLORIDA 34674	PASCO
Address	City	State Zip	County
Candia E. Mulhern Owner or Authorized Represe	h bi ata Nama	<u>Laboratory</u>	Supervisor :
Owner or Authorized Represe	ntative's Name	11010	,
Method of Discharge	·		
Type of Industry LANDE			
Report for Period James	1992 to _	Man 1992	•
Attach monitoring data as forms. When applicable, background water quality a Include any changes in size changes of plume constituent MOTE: Pursuant to Rule 17-mitted volume, location or charge plume, the permitted ment, submit a new report compositions of the dischartne site boundary.	attach additional solution at the discharge plume, direction of movements in violation of the 4.245(6)(k)3., at any chemical, physical or shall notify the depotating the volume and ge at the point of rel	e since the last report nt, rate of movement, applicable standards. time there is a change microbiological compos- artment and, if required chemical, physical and ease or contact with the	in the per- ition of the dis- id by the depart- d microbiological
	CERTIFICATI	ON -	
I certify under penalty of information submitted in the of those individuals immediate that the information is trucant penalties for submittimprisonment.  Owner or Authorized Representation of Authorized Representation is trucked as a submitting control of the	diately responsible for the state of the sta	ttachments and that, od ir obtaining the inform ete. I am aware that t	nation, I believe nere are signifi-

DER Form 17-1.216(2) Effective January 1, 1983

Page 1 of 2

442 1	Sample DateU3/U2/92
Manitoring Well # 2MW1	Well Type: [ ] Background
Well Name	Well Type: [ ] Background [ ] Site Boundary [ ] Intermediate
Classification of Groundwater <u>Surficial</u>	[ ] Compliance
Well Developed* Prior to YES Sample Collection (Yes/No)	Ground Water Elevation 35.2

STORE T Code	Parameter Monitored	Sampling Hethod	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	1.88	mg/L	Unfiltered	HNO3;4°C
	Manganese	Wizard	243.1	0.01	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Zinc	Ded.	289.1	<0.01	mg/L	Unfiltered	HNO3;4°C
	Magnesium	Mon.	242.1	1.27	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Sodium	System	273.1	5.82	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Iron		236.1	0.15	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	рН		Electro.	4.55	Stdunits	Unfiltered	Field
	Specific-		(SM 205) reference	55	umhos/	Unfiltered	Field
	Turbidity		Nephelo- metric	23.4	NTU	Unfiltered	Cool 4°C
	Chloride		SM 407A	2.5	mg/L	Unfiltered	4°C
	Sulfate		375.4	12.6	mg/L	Unfiltered	Cool 4 <sup>0</sup> C
	TDS		SM 209B	59	mg/L	Unfiltered	Cool 4 <sup>0</sup> C
	Bicarb.		310.1	7.8	mg/L	Unfiltered	Cool 4°C
	TOC		415.1	< 0.80	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
	ин <sub>3</sub> -и		EPA 350.2	<b>&lt;</b> 0.07	mg/L	1	H <sub>2</sub> SO <sub>4</sub> ;4°C
	NH <sub>4</sub> -N		Cal- culation	< 0.02	mg/L	,	H <sub>2</sub> SO <sub>4</sub> ;4°C
	Org. N		EPA 351.2	∠ 0.07	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
	TN		Cal- culation	<b>&lt;</b> 0.07	mg/L	i	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>O</sup> C
	Nitrate	·	EPA 353.2	<0.02	mg/L	1	H <sub>2</sub> SO <sub>4</sub> ;4°C
				-	<b>3.</b>		2 5 4

<sup>\*</sup>Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS /	Sample Date03/02/92	
Monitoring Well # 4MW1	Well Type: [ ] Background [ ] Site Boundary	
Well Name	[ ] Site Boundary [ ] Intermediate	
Classification of Groundwater Floridan	[ ] Compliance	
Well Developed* Prior to Sample Collection (Yes/No) yes	Ground Water Elevation (above MSL) 35.39	

STORET	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	83.7	mg/L	Unfiltered	HNO3;4°C
	Manganese	Wizard	243.1	<0.01	mg/L	Unfiltered	HNO3;4°C
	Zinc	Ded.	289.1	0.01	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Magnesium	Mon.	242.1	2.04	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°C
	Sodium	System	273.1	16.4	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Iron		236.1	0.04	mg/L	Unfiltered	HNO3;4°C
	рH		Electro.	7.05	Stdunits	Unfiltered	Field
	Specific-		(SM 205) reference	440	umhos/	Unfiltered	Field
	Turbidity		Nephelo- metric	0.27	NTU	Unfiltered	Cool 4°C
	Chloride		SM 407A	88.0	mg/L	Unfiltered	4°C
	Sulfate		375.4	19.0	mg/L	Unfiltered	Cool 4°C
[	TDS		SM 209B	418	mg/L	Unfiltered	Cool 4°C
ŧ	Bicarb.		310.1	117.6	mg/L	Unfiltered	Cool 4°C
	TOC		415.1	<b>&lt;</b> 0.60	mg/L	Unfiltered	H <sub>2</sub> SO <sub>4</sub> ;4°C
.	NH <sub>3</sub> -N		EPA 350.2	<0.07	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
]1	NH <sub>4</sub> -N		Cal- culation	<0.02	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
- 1	Org. N		EPA 351.2	0.20	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
1	TN		Cal- culation	1.02	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
]1	Nitrate		EPA 353.2	0.82	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
				÷			

\*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS /	Sample Date 03/02/92
Monitoring Well ≠ 2MW2	
Well Name	Well Type: [ ] Background [ ] Site Boundary [ ] Intermediate [ ] Compliance
Classification of Groundwater Surficial	[ ] Compliance
Well Developed* Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation

		- · · · · ·			(above MSL)			
STORET	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added	
	Calcium	Well	215.1	6.09	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C	
	Manganese	Wizard	243.1	0.10	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°C	
	Zinc	Ded.	289.1	0.02	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°C	
	Magnesium	Mon.	242.1	4.00	mg/L	Unfiltered	нио <sub>3</sub> ; 4°с	
	Sodium	System	273.1	3.88	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C	
	Iron		236.1	1.58	mg/L	  Unfiltered	HNO <sub>3</sub> ;4°C	
	рH		Electro.	6.01	Stdunits	Unfiltered	Field	
	Specific-		(SM 205) reference	100	umhos/	Unfiltered	Field	
	Turbidity		Nephelo- metric	34.7	1	Unfiltered	Cool 4°C	
	Chloride .		SM 407A	4.0		Unfiltered	4°C	
	Sulfate		375.4	<b>&lt;</b> 1	i -	Unfiltered	Cool 4°C	
.	TDS		SM 209B	142		Unfiltered	Cool 4°C	
	Bicarb.		310.1	6.2	i .	Unfiltered	Cool 4°C	
	TOC		415.1	1.12	mg/L	Unfiltered	н <sub>2</sub> so <sub>4</sub> ;4°с	
	NH <sub>3</sub> -N		EPA 350.2	∠ 0.07	mg/L	Unfiltered	H <sub>2</sub> SO <sub>4</sub> ;4°C	
Į.	NH <sub>4</sub> -N		Cal- culation	< 0.02	mg/L	ı	н <sub>2</sub> so <sub>4</sub> ;4°с	
	Org. N		EPA 351.2	0.33	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C	
ľ	rn		Cal- culation	11.07	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C	
]1	Nitrate		EPA 353.2	10.74	_		н <sub>2</sub> so <sub>4</sub> ;4°с	
	WATER LEVEL	·		21.15	Feet		<u>د</u> 4 -	

<sup>\*</sup>Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GMS #	Sample Data03/02/92
Monitoring Well # 4MW2	Well Type: [ ] Background
Well Name	Well Type: [ ] Background [ ] Site Boundary [ ] Intermediate [ ] Compliance
Classification of Groundwater Floridan	[ ] Compliance
Well Developed* Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation (above MSL)

STORE T Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	32.3	mg/L	Unfiltered	HNO3;40
	Manganese	Wizard	243.1	< 0.01	mg/L	Unfiltered	HNO3;4°
,	Zinc	Ded.	289.1	<0.01	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°
	Magnesium	Mon.	242.1	0.73	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°
	Sodium	System	273.1	2.75	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Iron		236.1	0.02	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°C
	рН		Electro.	7.95	Std. units	Unfiltered	Field
	Specific-		(SM 205) reference	120	umhos/	Unfiltered	Field
	Turbidity		Nephelo- metric	0.17	NTU	Unfiltered	Cool 4°C
	Chloride		SM 407A	4.0	mg/L	Unfiltered	4°C
	Sulfate		375.4	<b>k</b> 1	mg/L	Unfiltered	Cool 4°C
	TDS		SM 209B	109	mg/L	Unfiltered	Cool 4°C
	Bicarb.		310.1	76.1		Unfiltered	Cool 4°C
	TOC		415.1	1.104	1.7	ļ	H <sub>2</sub> SO <sub>4</sub> ;4°
	NH <sub>3</sub> -N		EPA 350.2	<b>k</b> 0.07	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4 <sup>O</sup>
]:	NH <sub>4</sub> -N		Cal- culation	<b>4</b> 0.02	٧.	`,	H <sub>2</sub> SO <sub>4</sub> ;4°
1	Org. N			<0.07	Į.	j	H <sub>2</sub> SO <sub>4</sub> ;4°
	IN		Cal- culation	0.95	1		H <sub>2</sub> SO <sub>4</sub> ;4°
]1	Nitrate		EPA 353.2	0.95	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°
	WATER LEVEL			21.3	Feet		2 4,

\*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS #	Sample Date03/03/92
Monitoring Well # 2MW4	Well Type: [ ] Background
Well Name	Well Type: ( ) Beckground [ ] Site Boundary [ ] Intermediate
Classification of Groundwater Surficial	[ ] Compliance
Well Developed* Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation (above MSL)DRY

CIONCI	T	T 2	· · · · · · · · · · · · · · · · · · ·		<del>-</del>			
STORE T Code	Parameter Monitored	Sampling Method	Analysis Method		nalysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	DI	RY	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Manganese	Wizard	243.1	-		mg/L	Unfiltered	HNO3;4°C
	Zinc	Ded.	289.1			mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Magnesium	Mon.	242.1			mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Sodium	System	273.1			mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Iron		236.1			mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	рН		Electro.			Stdunits	Unfiltered	Field
	Specific-		(SM 205) reference		:	umhos/	Unfiltered	Field
	Turbidity	·	Nephelo- metric			NTU	Unfiltered	Cool 4°C
	Chloride		SM 407A			mg/L	Unfiltered	4°c
	Sulfate		375.4			mg/L	Unfiltered	Cool 4°C
	TDS		SM 209B			mg/L	Unfiltered	Cool 4°C
	Bicarb.		310.1			mg/L	Unfiltered	Cool 4 <sup>0</sup> C
	TOC		415.1		·	mg/L	Unfiltered	H2SO4;4°C
	ин <sub>3</sub> -и		EPA 350.2			mg/L	· '	H <sub>2</sub> SO <sub>4</sub> ;4°C
	NH <sub>4</sub> -N		Cal- culation		•	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4 <sup>O</sup> C
	Org. N		EPA 351.2			mg/L		н <sub>2</sub> ѕо <sub>4</sub> ;4 <sup>о</sup> с
	TN		Cal- culation			mg/L		H <sub>2</sub> SO <sub>4</sub> ;4 <sup>O</sup> C
	Nitrate		EPA 353.2			mg/L		н <sub>2</sub> sо <sub>4</sub> ; 4 <sup>о</sup> с
				Dİ	ΚΥ			•
j								

<sup>\*</sup>Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS #	Sample Date 03/03/92
Monitoring Well # 4MW4	Well Type: [ ] Reckground
Well Name	Well Type: [ ] Beckground [ ] Site Boundary [ ] Intermediate
Classification of Groundwater Floridan	[ ] Compliance
Well Developed* Prior to Sample Collection (Yes/No) <u>Yes</u>	Ground Water Elevation

7006	Υ		-		•		
TORET	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	58.2	mg/L	Unfiltered	HNO3;4°
	Manganese	Wizard	243.1	< 0.01	mg/L	Unfiltered	HNO <sub>3</sub> ;4°
	Zinc	Ded.	289.1	< 0.01	mg/L	Unfiltered	HNO <sub>3</sub> ;4°
	Magnesium	Mon.	242.1	1.39	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°
	Sodium	System	273.1	3.21	mg/L	Unfiltered	HNO <sub>3</sub> ;4°
	Iron		236.1	0.04	mg/L	Unfiltered	HNO <sub>3</sub> ; 4°
	рH		Electro.	6.88	Std	Unfiltered	Field
	Specific-		(SM 205) reference	200	umhos/	Unfiltered	
	Turbidity	j	Nephelo- metric	0.490	NTU	Unfiltered	Field Cool 4 <sup>0</sup>
	Chloride	·	SM 407A	5.0	mg/L	Unfiltered	соот 4 4 <sup>о</sup> с
	Sulfate		375.4	<b>&lt;</b> 1	mg/L	1	Cool 40
	TDS		SM 209B	171	mg/L	<u> </u>	Cool 4°
	Bicarb.	·	310.1	142	mg/L	1	Cool 4 0
.	TOC		415.1	∠0.60	mg/L		
ļ	NH <sub>3</sub> -N	•	EPA 350.2	∠ 0.07	mg/L	}	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>°</sup> H <sub>2</sub> SO <sub>4</sub> ;4 <sup>°</sup>
]1	NH <sub>4</sub> -N		Cal- culation	<0.02	1 '	ļ	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>C</sup>
	Org. N	·	EPA 351.2	0.13	_	1	
	ΓN		Cal- culation	0.724	į		H <sub>2</sub> SO <sub>4</sub> ;4 <sup>C</sup> H <sub>2</sub> SO <sub>4</sub> ;4 <sup>C</sup>
h	Nitrate	1	EPA 353.2	0.594			H <sub>2</sub> SO <sub>4</sub> ;4 <sup>c</sup>
],	Water Level			22.75	Feet		<b>~</b> 4

\*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS /	Sample Date03/03/92
Monitoring Well # 2MW5	Well Type: [ ] Background
Well Name	Well Type: [ ] Background [ ] Site Boundary [ ] Intermediațe
Classification of Groundwater Surficial	[ ] Compliance
W 11 A 1 1 1 A 1	

Well Developed\* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation
(above MSL) <u>DRY</u>

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	DRY	mg/L	Unfiltered	HNO3;4°C
	Manganese	Wizard	243.1		mg/L	Unfiltered	HNO3;4°C
	Zinc	Ded.	289.1		mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Magnesium	Mon.	242.1		mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Sodium	System	273.1		mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
,	Iron		236.1		mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
i	pН		Electro.		Std. units	Unfiltered	Field
	Specific- cond.		(SM 205) reference		umhos/	Unfiltered	Field
	Turbidity		Nephelo- metric		NTU	Unfiltered	Cool 4°C
	Chloride		SM 407A		mg/L	Unfiltered	4 ° C
	Sulfate		375.4		mg/L	Unfiltered	Cool 4°C
	TDS		SM 209B		mg/L	Unfiltered	Cool 4°C
	Bicarb.		310.1		mg/L	Unfiltered	Cool 4°C
	тос		415.1		mg/L	Unfiltered	н <sub>2</sub> so <sub>4</sub> ;4°с
.	NH <sub>3</sub> -N		EPA 350.2		mg/L	•	H <sub>2</sub> SO <sub>4</sub> ;4°C
	NH <sub>4</sub> -N		Cal- culation	·	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
	Org. N		EPA 351.2		mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
	TN		Cal- culation		mg/L	i	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup> C
	Nitrate		EPA 353.2	DRY	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4°C
				ļ			
i							

\*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

dua &	Sample Date03/03/92
Monitoring Well # 4MW5	Well Type: [ ] Background [ ] Site Boundary
Well Name	[] Intermediate
Classification of Groundwater Floridan	[ ] Compliance
Well Developed* Prior to	

Well Developed\* Prior to
Sample Collection (Yes/No) YES Ground Water Elevation (above MSL) 28.91 f

ORET	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	4.65	mg/L	Unfiltered	HNO3;4°C
	Manganese	Wizard	243.1	< 0.01	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Zinc	Ded.	289.1	0.01	mg/L	Unfiltered	HNO3;4°C
	Magnesium	Mon.	242.1	0.33	mg/L	Unfiltered	HNO3;4°C
	Sodium	System	273.1	7.74	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Iron		236.1	0.02	mg/L	Unfiltered	HNO <sub>3</sub> ;4 <sup>o</sup> C
į	рH		Electro.	9.14	Stdunits	Unfiltered	Field
	Specific-		(SM 205) reference	80	umhos/	Unfiltered	Field
	Turbidity		Nephelo- metric	0.233	NTU	Unfiltered	Cool 4°C
	Chloride		SM 407A	4.0	mg/L	Unfiltered	4°c
l	Sulfate		375.4	<b>&lt;</b> 1	mg/L	Unfiltered	Cool 4°C
i	TDS		SM 209B	54	mg/L	Unfiltered	Cool 4°C
- 1	Bicarb.	ļ	310.1	39	mg/L	Unfiltered	Cool 4 <sup>0</sup> C
]	TOC	·	415.1	<b>_</b> 0.50	mg/L	Unfiltered	H2SO4;40
	NH <sub>3</sub> -N		EPA 350.2	<0.07	mg/L	i i	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup>
1	NH <sub>4</sub> -N		Cal- culation	<0.02	mg/L	ì l	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup>
- 1	Org. N		EPA 351.2	0.12	mg/L	1	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup>
	ΓN		Cal- culation	0.329	mg/L		H <sub>2</sub> SO <sub>4</sub> ;4 <sup>0</sup>
1	Nitrate		EPA 353.2	0.209			H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup>

\*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS #	Sample Date 03/03/92
Monitoring Well # 2MW6	Well Type: [ ] Background
Well Name	Well Type: [ ] Background [ ] Site Boundary [ ] Intermediațe
Classification of Groundwater <u>Surficial</u>	[ ] Compliance

Well Developed\* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation DRY

TORET	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	DRY	mg/L	Unfiltered	HNO3;4°C
	Manganese	Wizard	243.1		mg/L	Unfiltered	HNO3;4°C
	Zinc	Ded.	289.1		mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Magnesium	Mon.	242.1		mg/L	Unfiltered	HNO <sub>3</sub> ; 4°C
	Sodium	System	273.1		mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Iron		236.1		mg/L	Unfiltered	HNO <sub>3</sub> ; 4°C
	рH		Electro.		Stdunits	Unfiltered	Field
	Specific-		(SM 205) reference		umhos/	Unfiltered	Field
- 1	Turbidity		Nephelo- metric		NTU	Unfiltered	Cool 4 <sup>0</sup> C
- 1	Chloride		SM 407A		mg/L	Unfiltered	4°C
- 1	Sulfate		375.4		.mg/L	Unfiltered	Cool 4°C
	TDS		SM 209B		mg/L	Unfiltered	Cool 4°C
1	Bicarb.		310.1		mg/L	l I	Cool 4°C
. ]	TOC		415.1		mg/L	]	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>O</sup> (
1	NH <sub>3</sub> -N	,	EPA 350.2		mg/L	ľ	H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup> (
1	NH <sub>4</sub> -N		Cal- culation	·			H <sub>2</sub> SO <sub>4</sub> ;4 <sup>O</sup> (
1	Org. N		EPA 351.2		mg/L		H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup> 0
	ΓN		Cal- culation	V			H <sub>2</sub> SO <sub>4</sub> ;4 <sup>o</sup> (
1	Nitrate		EPA 353.2	DRY	1		H <sub>2</sub> SO <sub>4</sub> ;4 <sup>O</sup> (

\*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GMS /	Sample Date03/03/92
Monitoring Well # 4MW6	
Well Name	Well Type: [ ] Background [ ] Site Boundary [ ] Intermediate
Classification of Groundwater Floridan	[] Compliance
Well Developed* Prior to	. •

rication of G	roundwater		( ) Comp.	rrance		
eveloped* Pri Collection (	or to Yes/No)		Ground Water Elevation (above MSL) 32.33 f			
Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
Calcium	Well	215.1	25.5	mg/L	Unfiltered	HNO <sub>3</sub> ;4°C
	Wizard	243.1	< 0.01	mg/L	1	HNO <sub>3</sub> ;4 <sup>O</sup> C
-	i		< 0.01	mg/L	1	HNO <sub>3</sub> ;4°C
	veloped* Pri Collection ( Parameter Monitored	Parameter Sampling Method  Calcium Well Wizard Zinc Ded.	Parameter Sampling Analysis Method  Calcium Well 215.1  Manganese Wizard 243.1  Zinc Ded. 289.1	Parameter Monitored Sampling Analysis Result  Calcium Well 215.1 25.5  Manganese Wizard 243.1 < 0.01  Zinc Ded. 289.1 < 0.01	Parameter Monitored Well 215.1 25.5 mg/L Manganese Wizard 243.1 <0.01 mg/L Zinc Ded. 289.1 <0.01 mg/L	Parameter Monitored Well 215.1 25.5 mg/L Unfiltered Manganese Wizard 243.1 <0.01 mg/L Unfiltered Unfiltered 289.1 <0.01 mg/L Unfiltered Unfiltered

Zinc Ded. 289.1 Co.01 mg/L Unfiltered HNO Magnesium Mon. 242.1 Co.58 mg/L Unfiltered HNO HNO System 273.1	03;4°C 03;4°C 03;4°C 03;4°C 03;4°C
Zinc Ded. 289.1 Co.01 mg/L Unfiltered HNO Magnesium Mon. 242.1 Co.58 mg/L Unfiltered HNO HNO System 273.1	3;4°C 3;4°C 3;4°C
Zinc Ded. 289.1 < 0.01 mg/L Unfiltered HNO Magnesium Mon. 242.1 0.58 mg/L Unfiltered HNO HNO	3;4°C 3;4°C 3;4°C
Magnesium Mon. 242.1 0.58 mg/L Unfiltered HNO	3;4°C 3;4°C
Sodium   System   273 1	3;4°C
	J
Iron 236.1 < 0.02 mg/L Unfiltered HNO	_ : 4: t.
Electro. 7.99 Std Unfiltered Fie	<i>-</i>
Specific- (SM 205) 100 umhos/	
Turbidity Nephelo- 0.22	1d 1 4 <sup>0</sup> C
Chloride SM 407A 5.0 mg/L Unfiltered 4°C	140
Sulfare 1975	1 4°C
TDS Sy 2007	1 4 <sup>0</sup> C
Bicarb. 310.1 58.9 mg/L Unfiltered Cool	1 4°C
TOC / 1/25 /	0 <sub>4</sub> ;4 <sup>o</sup> c
NH <sub>3</sub> -N EPA 350.2 < 0.07 mg/L Unfiltered Hose	0 <sub>4</sub> ;4°C
NH <sub>4</sub> -N Cal <sub>ation</sub> < 0.02 mg/L Unfiltered H <sub>o</sub> SC	, 4°C
Org. N EPA 351.2 < 0.07 mg/L Unfiltered Haso	, 4°C
Cal- 0.92	7
Nitrate PRA 352 2 0 02	) <sub>4</sub> ;4 <sup>o</sup> c
	, 4°C

\*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.